

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/001704

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: H04L 27/26, 25/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Espacenet, WPAT: ofdm, orthogonal frequency division, channel estimation, matrix, least squares and similar terms

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2001/0036235 A1 (KADOUS) 1 November 2001 whole document	
A	EP 1178640 A1 (SONY INTERNATIONAL EUROPE GmbH) 6 February 2002 whole document	
A	WO 2003/050993 A1 (KONINKLIJKE PHILIPS ELECTRONICS N.V.) 19 June 2003 whole document	

☐ Further documents are listed in the continuation of Box C ☒ See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
8 February 2005

Date of mailing of the international search report
10 FEB 2005

Name and mailing address of the ISA/AU
AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaustalia.gov.au
Facsimile No. (02) 6285 3929

Authorized officer

Mani Ramachandran
Telephone No : (02) 6283 2233

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/001704

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member	
US	2001/0036235	NONE	
EP	1178640	JP	2002111620
		US	2002/034213
WO	2003/050993	AU	2002348837
		EP	1459469
		US	2003/112902
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.			
END OF ANNEX			